Backup Battery Kit Install Guide: Intel® Storage Controller AXXSCM3S

A Guide for Technically Qualified Assemblers of Intel® Identified Subassemblies/ Products

Intel Order Number: E13860-003

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Safety Information

Important Safety Instructions

Read all caution and safety statements in this document before performing any of the instructions. See also Intel Server Boards and Server Chassis Safety Information on the *Intel® Server Deployment Toolkit CD* and/or at http://support.intel.com/support/motherboards/server/sb/cs-010770.htm.

Wichtige Sicherheitshinweise

Lesen Sie zunächst sämtliche Warnund Sicherheitshinweise in diesem Dokument, bevor Sie eine der Anweisungen ausführen. Beachten Sie hierzu auch die Sicherheitshinweise zu Intel-Serverplatinen und Servergehäusen auf der *Intel® Server Deployment Toolkit CD* oder unter http://support.intel.com/support/motherboards/server/sb/cs-010770.htm.

Consignes de sécurité

Lisez attention toutes les consignes de sécurité et les mises en garde indiquées dans ce document avant de suivre toute instruction. Consultez Intel Server Boards and Server Chassis Safety Information sur le *Intel® Server Deployment Toolkit CD* ou bien rendez-vous sur le site http://support.intel.com/support/motherboards/server/sb/cs-010770.htm.

Instrucciones de seguridad importantes

Lea todas las declaraciones de seguridad y precaución de este documento antes de realizar cualquiera de las instrucciones. Vea Intel Server Boards and Server Chassis Safety Information en el *Intel® Server Deployment Toolkit CD* y/o en http://support.intel.com/support/motherboards/server/sb/cs-010770.htm.

重要安全指导

在执行任何指令之前，请阅读本文件中的所有注意事项及安全声明。并参阅 http://support.intel.com/support/motherboards/server/sb/CS-010770.htm 上的 *Intel Server Boards and Server Chassis Safety Information*（《Intel 服务器主板与服务器机箱安全信息》）。

Warnings

Heed safety instructions: Before working with your server product, whether you are using this guide or any other resource as a reference, pay close attention to the safety instructions. You must adhere to the assembly instructions in this guide to ensure and maintain compliance with existing product certifications and approvals. Use only the described, regulated components specified in this guide. Use of other products / components will void the UL listing and other regulatory approvals of the product and will most likely result in noncompliance with product regulations in the region(s) in which the product is sold.

System power on/off: The power button DOES NOT turn off the system AC power. To remove power from system, you must unplug the AC power cord from the wall outlet. Make sure the AC power cord is unplugged before you open the chassis, add, or remove any components.

Hazardous conditions, devices and cables: Hazardous electrical conditions may be present on power, telephone, and communication cables. Turn off the server and disconnect the power cord, telecommunications systems, networks, and modems attached to the server before opening it. Otherwise, personal injury or equipment damage can result.

Electrostatic discharge (ESD) and ESD protection: ESD can damage disk drives, boards, and other parts. We recommend that you perform all procedures in this chapter only at an ESD workstation. If one is not available, provide some ESD protection by wearing an antistatic wrist strap attached to chassis ground any unpainted metal surface on your server when handling parts.

ESD and handling boards: Always handle boards carefully. They can be extremely sensitive to ESD. Hold boards only by their edges. After removing a board from its protective wrapper or from the server, place the board component side up on a grounded, static free surface. Use a conductive foam pad if available but not the board wrapper. Do not slide board over any surface.

Installing or removing jumpers: A jumper is a small plastic encased conductor that slips over two jumper pins. Some jumpers have a small tab on top that you can grip with your fingertips or with a pair of fine needle nosed pliers. If your jumpers do not have such a tab, take care when using needle nosed pliers to remove or install a jumper; grip the narrow sides of the jumper with the pliers, never the wide sides. Gripping the wide sides can damage the contacts inside the jumper, causing intermittent problems with the function controlled by that jumper. Take care to grip with, but not squeeze, the pliers or other tool you use to remove a jumper, or you may bend or break the pins on the board.

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Backup Battery Kit Install Guide

Tools Required

- Phillips* screwdriver

Kit Contents

Backup Battery Kit (MFSCMBBU)

Item	Quantity
Backup Battery	1
Install Guide	1

Backup Battery Kit Installation Instructions

Prepare System

1. Read all caution and safety statements listed in this document before performing any of the steps. See the *Intel® Server Boards and Server Chassis Safety Information* document at http://support.intel.com/support/motherboards/server/sb/cs-010770.htm for a complete listing of all caution and safety statements.

   Caution: *Before performing any maintenance on the system, back up the data.*

Remove Storage Controller from System

2. Press the retention lever latch button to release the retention lever (see letter “A” in the following figure). Rotate the lever out and away from the module bay (see letter “B”) and pull the storage controller straight out the back of the chassis (see letter “C”).

Warning: *You must replace the storage controller with a filler panel or another temporary storage controller within two minutes.*

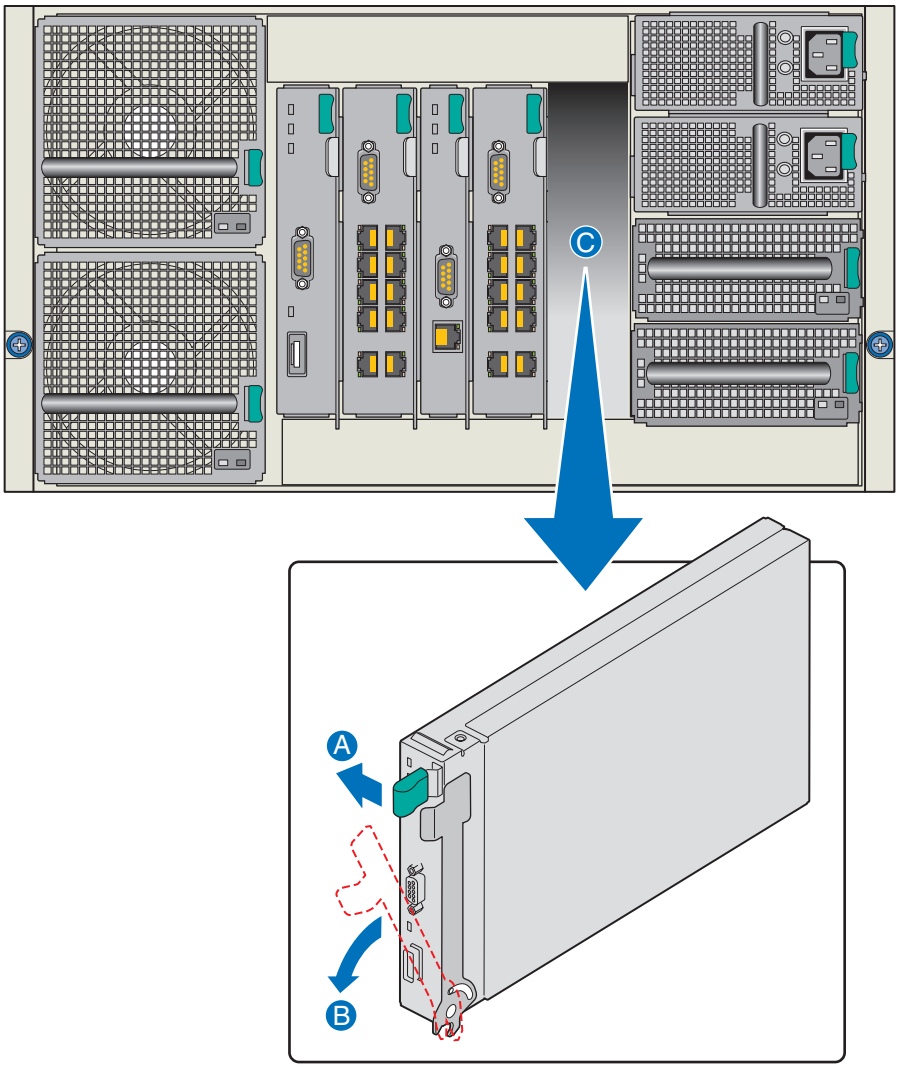

Figure 1. Removing Storage Controller from System

Remove Top Cover from Storage Controller

3. Place the storage controller sideways on a work surface so that it's largest surface area is touching the work surface and the extraction lever is on the top.
4. With a Phillips* screwdriver, remove the single screw located at the front edge of the top cover (see letter "A" in the following figure). Slide top cover towards rear of storage controller (see letter "B") and lift upward to remove (see letter "C").

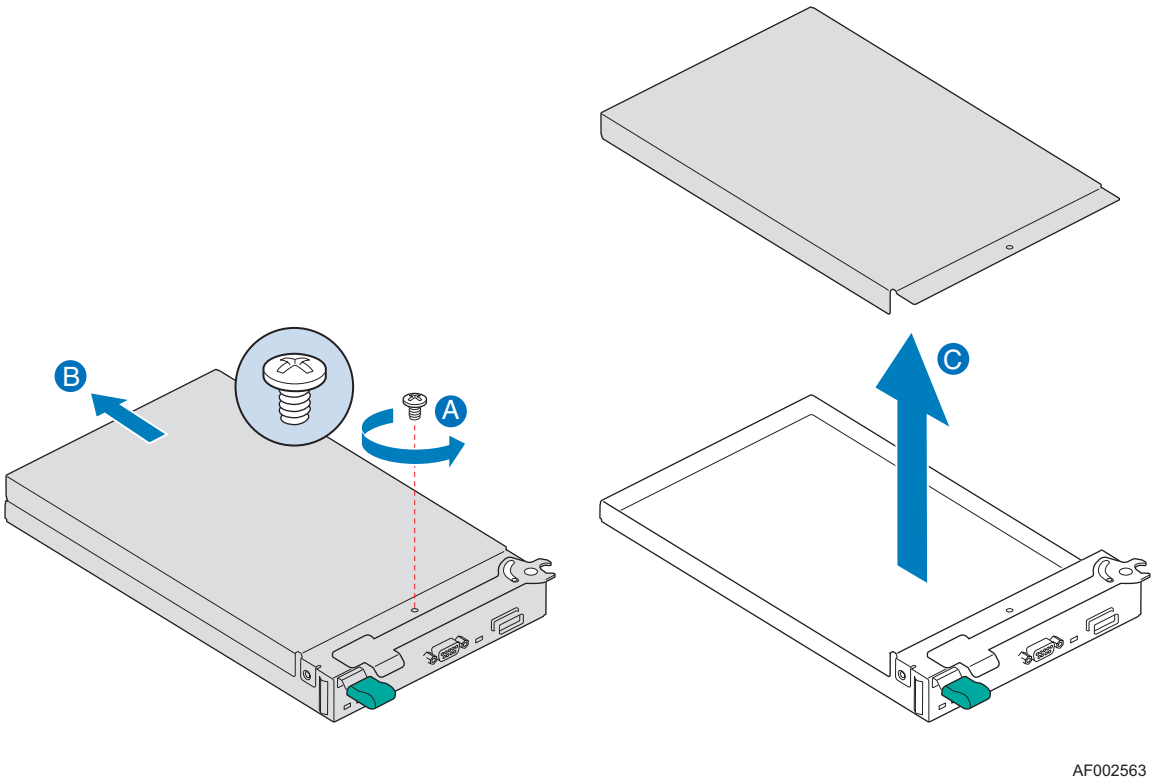

Figure 2. Removing Top Cover from Storage Controller

Remove Old Backup Battery

Warning: *Dispose of used backup battery in accordance with manufacturer's instructions.*

5. Disconnect battery cable from battery connector on the printed circuit board (see letter "A" in the following figure). Remove old backup battery from black plastic battery holder (see letter "B").

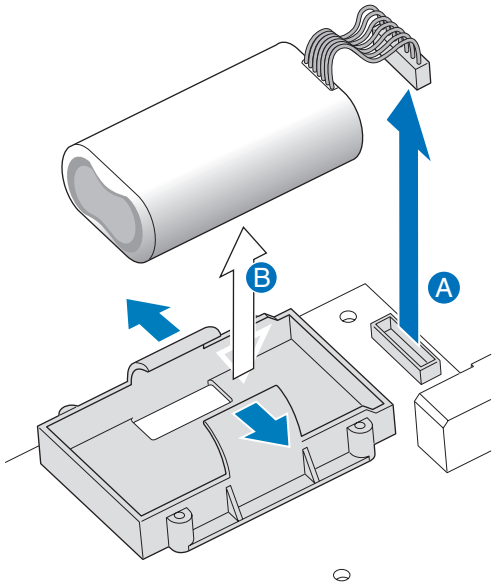

Figure 3. Removing Old Backup Battery

Install New Backup Battery

6. Install the backup battery in the black plastic battery holder (see letter “A” in the following figure). Connect the battery cable to the battery connector on the printed circuit board (see letter “B”).

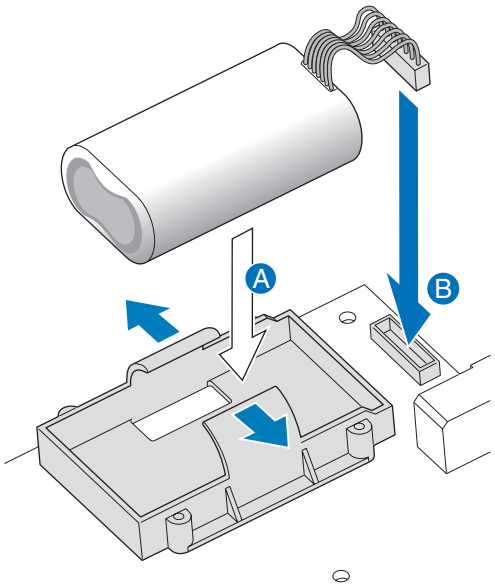

Figure 4. Installing New Backup Battery

Re-install Top Cover

7. Align notches in top cover with corresponding tabs on storage controller. Slide top cover forward to close.
8. Secure top cover to storage controller with the single screw previously removed.

Install Storage Controller in System

9. Remove filler panel or temporary storage controller if necessary.
10. Ensure the retention lever is out and away from the storage controller (see letter “A” in the following figure). Slide the storage controller into the module bay (see letter “B”) until the bottom of the retention lever engages with the module bay.

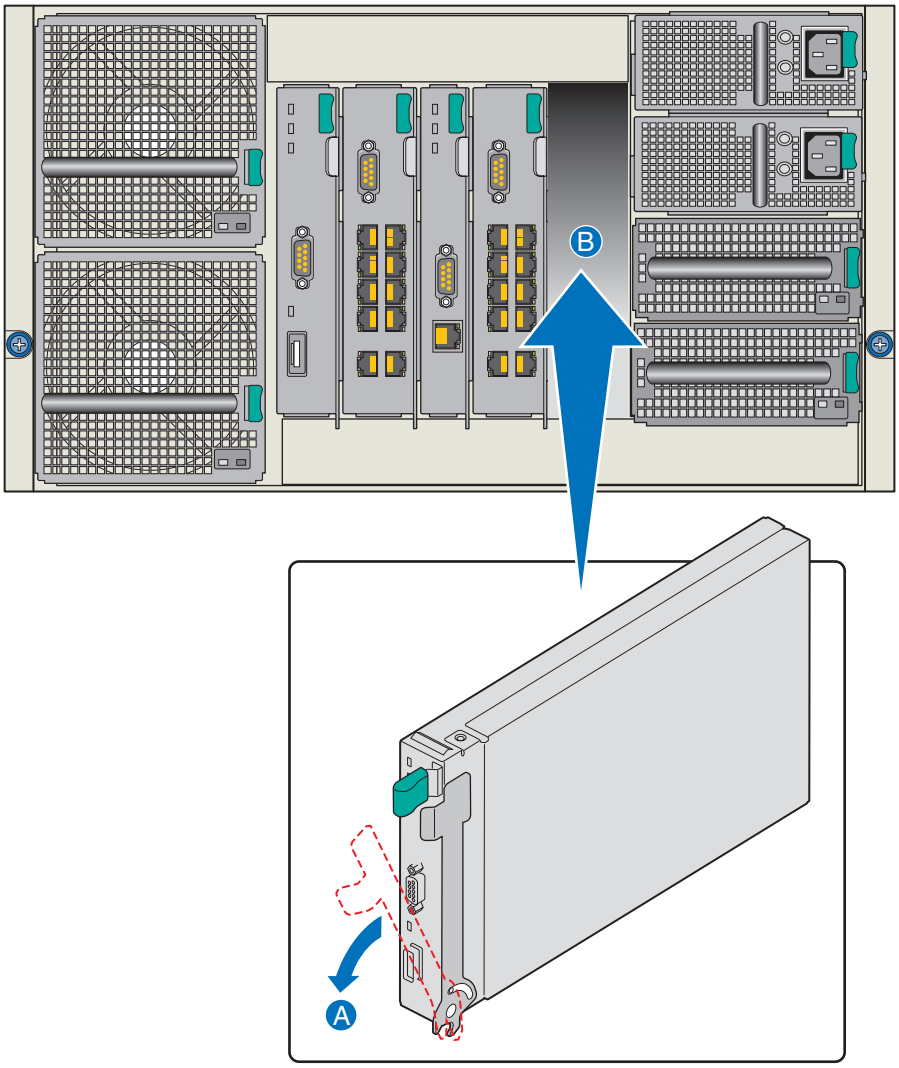

Figure 5. Re-installing Storage Controller in System